

AGENCY OF NATURAL RESOURCES

Waterbury, Vermont

ENVIRONMENTAL PROTECTION REGULATIONS

CHAPTER 5

AIR POLLUTION CONTROL

Subchapter II. Prohibitions

Subsection 5-253.2 Bulk Gasoline Terminals

- (a) Applicability. This subsection shall apply to all loading racks that deliver liquid products into gasoline tank trucks at a bulk gasoline terminal. Once a facility is subject to this subsection, it shall remain so, even if the throughput falls below the applicability threshold.
- (b) Standards.
 - (1) All of the loading racks at a bulk gasoline terminal subject to this subsection shall be equipped with a vapor collection system designed to collect the organic compound liquids or vapors displaced from gasoline tank trucks during product loading.
 - (2) Each vapor collection system shall be designed to prevent any volatile organic compound vapors collected at one loading rack from passing to another loading rack.
 - (3) The owner or operator of a bulk gasoline terminal shall load gasoline into vapor-tight gasoline tank trucks only, using the following procedures:
 - (i) Obtain the vapor-tightness documentation for each gasoline tank truck prior to loading the tank truck at a loading rack subject to this subsection;
 - (ii) Record the tank identification number of each gasoline tank truck as it is loaded at the terminal;
 - (iii) Cross-check each tank identification number obtained with the tank vapor-tightness documentation on file at the bulk gasoline terminal within 2

weeks after the corresponding tank is loaded;

- (iv) Notify the owner or operator of each previously loaded gasoline tank truck that is not vapor-tight within 3 weeks after the loading has occurred; and
 - (v) Assure that any non-vapor-tight gasoline tank truck will not be reloaded at a loading rack until vapor-tightness documentation for that tank truck is obtained.
- (4) The terminal owner or operator shall ensure that the loading of gasoline tank trucks at the loading rack is limited to tank trucks equipped with vapor collection equipment that is compatible with the vapor collection system at the terminal.
- (5) The terminal owner or operator shall ensure that the vapor collection system of the terminal and the tank truck are connected during each loading of a gasoline tank truck at the loading rack.
- (6) The vapor collection and liquid loading equipment shall be designed and operated to prevent gauge pressure in the gasoline tank truck from exceeding 450 mm of water during product loading.
- (7) No pressure-vacuum vent in the bulk gasoline terminal's vapor collection system shall begin to open at pressure less than 450 mm of water.
- (8) The total amount of organic compounds emitted to the atmosphere released from the vapor collection system during the loading of gasoline tank trucks shall not exceed 4.7 grains per gallon (80 mg/L) of gasoline loaded.
- (9) Loading of gasoline tank trucks at bulk terminals shall be by submerged fill only.
- (c) Inspection requirements. The terminal owner or operator shall inspect the vapor collection system, the vapor control system and each loading rack every calendar month for liquid and vapor leaks during transfer operations. Detection methods using sight, sound or smell are acceptable. Each leak detected shall be recorded and the source of the leak repaired within 15 calendar days after it is detected.
- (d) Test methods. Compliance with this subsection shall be determined using the test procedures set forth by the Air Pollution Control Officer.
- (e) Record keeping.
 - (1) The owner or operator of a bulk gasoline terminal shall maintain records for a minimum of three years on the following:

- (i) Tank truck tightness documentation shall be kept on file at the terminal in a permanent form available for inspection. The documentation file for each gasoline tank truck shall be updated at least once per year to record current test results as determined by test method 27.
- (ii) Documentation shall include, but is not limited to, the following:
 - (A) Test title: Gasoline Delivery Truck Pressure Test--EPA Reference Method 27;
 - (B) Tank owner name and address;
 - (C) Tank identification number;
 - (D) Testing location;
 - (E) Date of test;
 - (F) Tester's name and signature;
 - (G) Name, signature and affiliation of any witnessing inspector; and
 - (H) Test results: actual pressure change in 5 min., recorded in mm of water (average for two runs).
- (2) The owner or operator of the bulk gasoline terminal shall keep a record of monthly leak inspections on file at the terminal. Inspection records shall include, but are not limited to, the following information:
 - (i) Date of inspection;
 - (ii) Description of leaks found during inspection, if any;
 - (iii) Leak determination method used;
 - (iv) Corrective action taken including date leak repaired; and
 - (v) Inspector's name and signature.
- (3) The owner or operator of a bulk gasoline terminal shall maintain records of daily throughput.
- (4) All records required under this subsection shall be made available for inspection

during normal business hours and copies shall be provided to the Air Pollution Control Officer upon request.

- (f) Compliance. A bulk gasoline terminal subject to this subsection shall be in compliance on or before the effective date of this rule.